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Prabhu et al.

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(54) **SYSTEM AND METHOD FOR
DEPTH-RECOVERY OF A FACE IN AN
IMAGE**

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62/179,132, filed on Apr. 28, 2015.

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CPC **G06T 17/10** (2013.01); **G06T 7/0051**
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2207/30201 (2013.01)

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See application file for complete search history.

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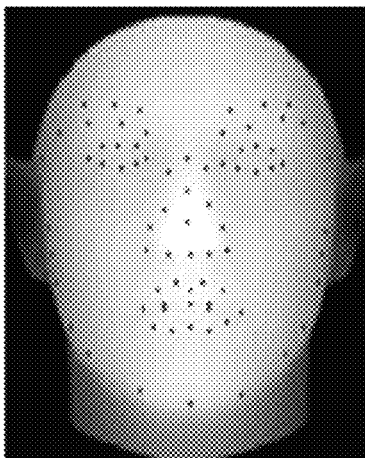
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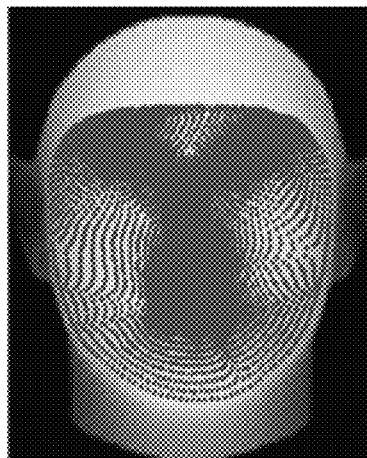
(57) **ABSTRACT**

A system and method for providing a fast, efficient and
accurate method for recovery of depth information from a
single image of a face is disclosed. The technique uses a
novel thin-plate spline-based dense-correspondence method
to align the face, and the representation incorporates a
weighted framework, interpreting the depth recovery prob-
lem as a weighted data problem.

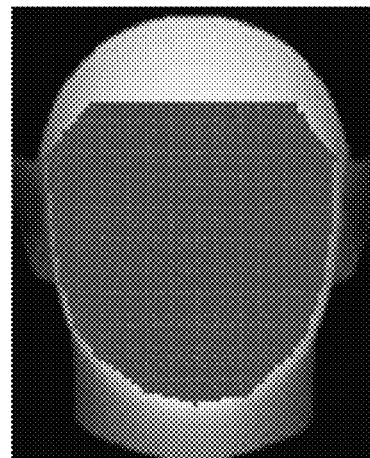
10 Claims, 5 Drawing Sheets



(A)



(B)



(C)